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single-screen device. Manipulating this type of device, and being forced to switch between multiple applications that only use one screen results in user fatigue, frustration, and in some cases repetitive motion injuries.

Recently, dual-screen devices have been made available to consumers of electronic devices. However, the currently available dual-screen devices have failed to adequately address the needs of the consumer. Although the devices include two screens in their design, they tend to incorporate the negative limitations of their single-screen counterparts. In particular, the typical dual-screen device limits the user interface to a particular screen, in some cases only providing a keyboard, or touch-sensitive/capacitive display, on one of the screens. Moreover, the management of the device's applications and desktops is limited to the traditional concepts of single-screen content switching. The present disclosure addresses the limitations of the traditional single/dual-screen devices and provides advantages in display, input, and content management.

At least one embodiment of the present disclosure describes a multi-screen device and methods for managing the display of content that allows the user a greater degree of creative latitude when operating the device. In particular, when a device is running an application or group of applica- 25 tions, the device is capable of detecting a user gesture input that can reveal a desktop on multiple screens of the device. This desktop can show a representation of different applications that the user can select. From this desktop, a user is able to launch applications or navigate between multiple desktop 30 pages, including those that are displayed and those that are not. A user, or the device itself, may choose how and when to initiate the reveal desktop expansion, which may be determined by, but not limited to, a specific input detected, an output from another process, program or hardware logic, 35 other operations. software control, or combination thereof. The management of the displayed desktops may be directed by the device or the user. These and other advantages will be apparent from the

The present disclosure can provide a number of advantages 40 depending on the particular aspect, embodiment, and/or configuration. These and other advantages will be apparent from the disclosure.

The phrases "at least one", "one or more", and "and/or" are open-ended expressions that are both conjunctive and disjunctive in operation. For example, each of the expressions "at least one of A, B and C", "at least one of A, B, or C", "one or more of A, B, and C", "one or more of A, B, or C" and "A, B, and/or C" means A alone, B alone, C alone, A and B together, A and C together, B and C together, or A, B and C together.

The term "a" or "an" entity refers to one or more of that entity. As such, the terms "a" (or "an"), "one or more" and "at least one" can be used interchangeably herein. It is also to be noted that the terms "comprising", "including", and "having" 55 can be used interchangeably.

The term "automatic" and variations thereof, as used herein, refers to any process or operation done without material human input when the process or operation is performed. However, a process or operation can be automatic, even 60 though performance of the process or operation uses material or immaterial human input, if the input is received before performance of the process or operation. Human input is deemed to be material if such input influences how the process or operation will be performed. Human input that consents to the performance of the process or operation is not deemed to be "material".

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The term "computer-readable medium" as used herein refers to any tangible storage and/or transmission medium that participate in providing instructions to a processor for execution. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media. Non-volatile media includes, for example, NVRAM, or magnetic or optical disks. Volatile media includes dynamic memory, such as main memory. Common forms of computer-readable media include, for example, a floppy disk, a flexible disk, hard disk, magnetic tape, or any other magnetic medium, magneto-optical medium, a CD-ROM, any other optical medium, punch cards, paper tape, any other physical medium with patterns of holes, a RAM, a PROM, and EPROM, a FLASH-EPROM, a solid state medium like a memory card, any other memory chip or cartridge, a carrier wave as described hereinafter, or any other medium from which a computer can read. A digital file attachment to e-mail or other self-contained information archive or set of archives is considered a distribution medium equivalent 20 to a tangible storage medium. When the computer-readable media is configured as a database, it is to be understood that the database may be any type of database, such as relational, hierarchical, object-oriented, and/or the like. Accordingly, the disclosure is considered to include a tangible storage medium or distribution medium and prior art-recognized equivalents and successor media, in which the software implementations of the present disclosure are stored.

The term "desktop" refers to a metaphor used to portray systems. A desktop is generally considered a "surface" that typically includes pictures, called icons, widgets, folders, etc. that can activate show applications, windows, cabinets, files, folders, documents, and other graphical items. The icons are generally selectable to initiate a task through user interface interaction to allow a user to execute applications or conduct other operations.

The term "screen," "touch screen," or "touch screen" refers to a physical structure that includes one or more hardware components that provide the device with the ability to render a user interface and/or receive user input. A screen can encompass any combination of gesture capture region, a touch sensitive display, and/or a configurable area. The device can have one or more physical screens embedded in the hardware. However a screen may also include an external peripheral device that may be attached and detached from the device. In embodiments, multiple external devices may be attached to the device. Thus, in embodiments, the screen can enable the user to interact with the device by touching areas on the screen and provides information to a user through a display. The touch screen may sense user contact in a number of different ways, such as by a change in an electrical parameter (e.g., resistance or capacitance), acoustic wave variations, infrared radiation proximity detection, light variation detection, and the like. In a resistive touch screen, for example, normally separated conductive and resistive metallic layers in the screen pass an electrical current. When a user touches the screen, the two layers make contact in the contacted location, whereby a change in electrical field is noted and the coordinates of the contacted location calculated. In a capacitive touch screen, a capacitive layer stores electrical charge, which is discharged to the user upon contact with the touch screen, causing a decrease in the charge of the capacitive layer. The decrease is measured, and the contacted location coordinates determined. In a surface acoustic wave touch screen, an acoustic wave is transmitted through the screen, and the acoustic wave is disturbed by user contact. A receiving transducer detects the user contact instance and determines the contacted location coordinates.